

EPIC-BT07

PCB Rev. A0.2_0_0

Temperature/Humidity Test Report

Report NO:

Summary	<p><input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail</p> <p>Note : There is/are ___ defect(s) not list in the report, please check it in the DTS Website.</p> <p><input type="checkbox"/> Pass with Deviation</p>
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Issue date

2015-04-23

Approval

Richard Wu

Test Engineer

Ronald Lin

Test item list

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4. *Temperature variation operation test* ----- 5
5. *Cold start and hot start test* ----- 6

Testing Result

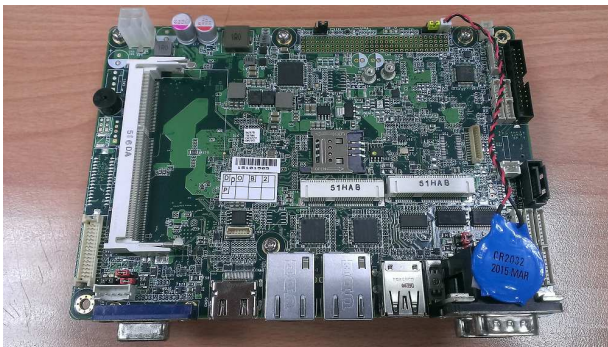
Num	Test item list	Result	Remark
1	Temp./humidity power on/off test	Pass	N/A
2	Temperature variation operation test	Pass	N/A
3	Cold start and hot start test	Pass	N/A

Configuration of EUT

Test Product: EPIC-BT07 A0.2

Sample Configuration & Quantity Under Test:

1. **CPU:** Intel® Atom™ processors J1900. 2.0GHz
2. **VGA:** Intel HD Graphics
3. **Memory:** Transcend DDR3L 1600 4GB
4. **BIOS Reversion:** EPIC-BT07 R0.7 (PBT7AM07) (04/17/2015)
5. **SATA HDD:** ST3500413AS ATA Device
6. Test Software: Win 8.1 X32/ Run BurnInTest Professional edition V8.0
7. Power Supply: HG2-6300P
8. Heat-sink: A0.1 Engineer Sample



Temp./humidity power on/off test

Test Date: 2015-04-16~04-17

Test Site: AAEON Taichung Internal Lab

Test Standard: Reference IEC 68-2-30 Testing procedures
Test Db: Damp Heat Test

Test Equipment:

Programmable Temperature & Humidity Chamber

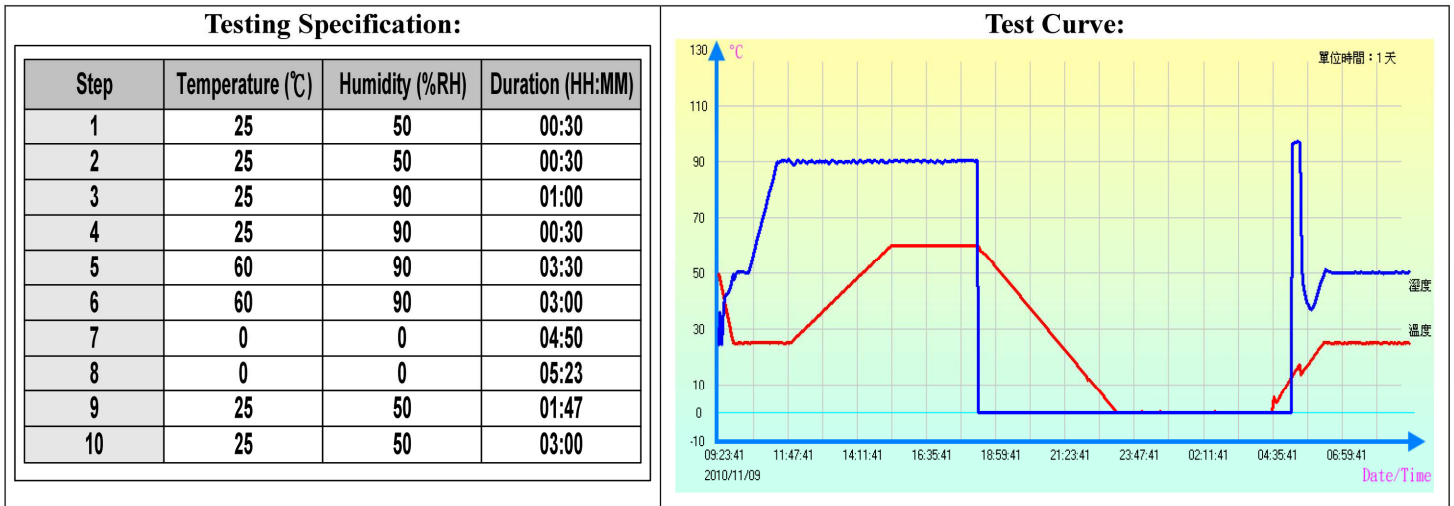
TERCHY. TECH. CORP.

Model: MHU-150LB

Date of Calibration: 2015/03/16

Serial Number: 961138

Temperature & Humidity Power On/Off Test:



Test Result:

No issues were found during the temperature & humidity power on/off test.

Test Method	Actual	Successful	Failure rate
Power On/Off	1177/ times	1177/ times	0 %
Note: Failure rate need to under 0%.			

Temperature variation operation test

Test Date: 2015-04-20~04-21

Test Site: AAEON Taichung Internal Lab

Test Standard: Reference IEC 68-2-14 Testing procedures
Test N: Change of temperature Test

Test Equipment:

Programmable Temperature & Humidity Chamber

TERCHY. TECH. CORP.

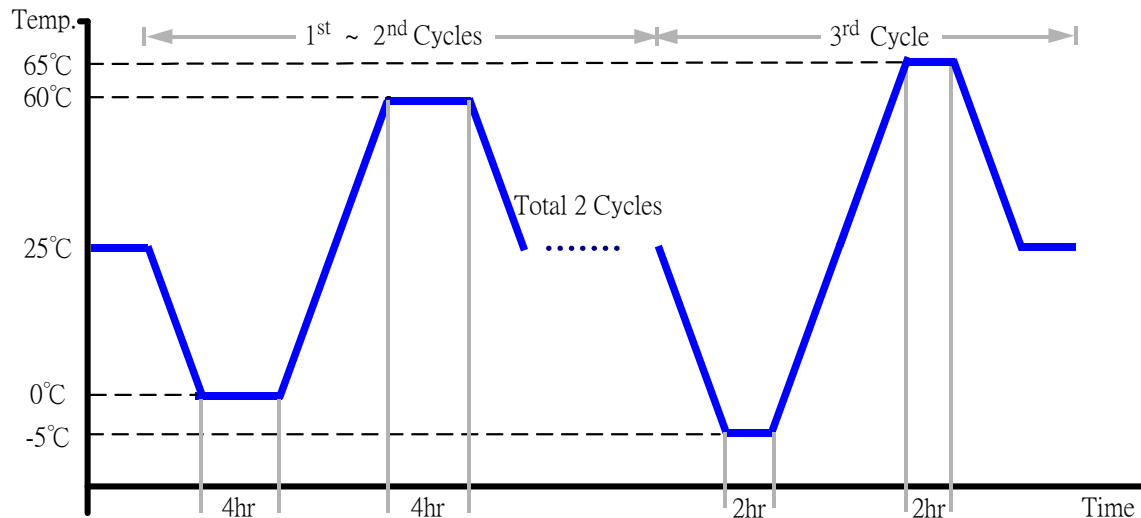
Model: MHU-150LB

Date of Calibration: 2015/03/16

Serial Number: 961138

Temperature & Humidity Cycle Test:

1. Test Low Temperature: **0°C** (1st~2nd cycles)
-5°C (3rd cycle)
2. Test High Temperature: **60°C** (1st~2nd cycles)
65°C (3rd cycle)
3. Test dwell time: **4Hrs** (1st~2nd cycles)
2Hrs (3rd cycle)
4. Temperature slope: **2°C/min**
5. Test cycle: **3 cycles**
6. Test Environment Curve:



Test Result:

No issues were found during the temperature variation operation test.

Cold start and hot start test

Test Date: 2015-04-22~04-23

Test Site: AAEON Taichung Internal Lab

Test Standard: Reference IEC 68-2-14 Testing procedures
Test N: Change of temperature Test

Test Equipment:

Programmable Temperature & Humidity Chamber

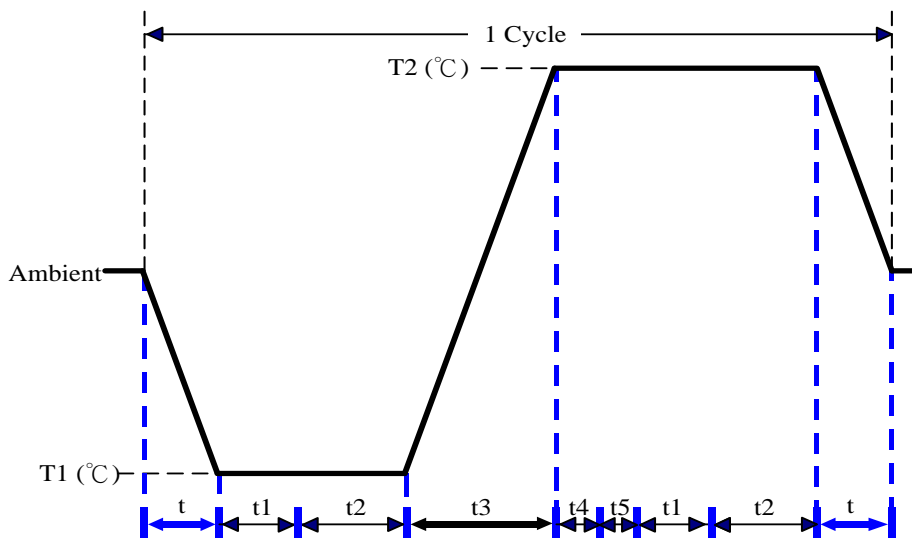
TERCHY. TECH. CORP.

Model: MHU-150LB

Date of Calibration: 2015/03/16

Serial Number: 961138

Test Condition:



Parameters	Description
T1	-5°C
T2	65°C
t1	1 hr
t2	2 hrs
t4, t5	30 mins
t, t3	2°C/min
n (Cycle)	1

t, t3: Temperature Slope

t, t1: Power Off

t2: Power On/Off test 10 times (On 2 mins / Off 5 mins)

t3,t4: Run PassMark Burn In Test

t5: Windows 8.1 software restart 2 times

Test software: Windows 8.1 32bit

Test Result:

- a. No issues were found during the cold start test.
- b. No issues were found during the hot start test.